

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-28. (Canceled)

29. (Currently Amended) A method of producing spray dried particles suitable for inhalation comprising:

- a) selecting a dew point between about 0° C and -40° C of a nitrogen drying gas corresponding to a targeted median geometric diameter, targeted median aerodynamic diameter of less than about 5 microns and a targeted tap density of particles formed by contacting a sprayed liquid feed with the drying gas;
- b) generating a nitrogen drying gas having said selected dew point; and
- c) contacting the sprayed liquid feed with the nitrogen drying gas having said selected dew point thereby producing particles having the targeted median aerodynamic diameter, targeted tap density and targeted median geometric diameter, wherein said particles are suitable for inhalation.

30.-32. (Canceled)

33. (Currently amended) The method of Claim 32 29, wherein the aerodynamic diameter is less than about 3 microns.

34. (Previously added) The method of Claim 29, wherein the tap density is less than about 0.4 g/cm³.

35. (Previously added) The method of Claim 34, wherein the tap density is less than about 0.1 g/cm³.
36. (Previously added) The method of Claim 29 wherein the drying gas has a temperature of between about 80° C and about 200° C at the inlet.
37. (Previously added) The method of Claim 29 wherein the drying gas has temperature between about 35° C and about 80° C at the outlet.
38. (Previously added) The method of Claim 29 further comprising separating the spray dried particles from waste drying gas.
39. (Previously added) The method of Claim 29 further comprising collecting the spray dried particles.
40. (Previously added) The method of Claim 29 wherein the liquid feed includes a solvent selected from the group consisting of an organic solvent, an aqueous solvent or any combination thereof.
41. (Previously added) The method of Claim 29 wherein the spray dried particles comprise a bioactive agent.
42. (Previously added) The method of Claim 29 wherein the spray dried particles comprise a phospholipid.
- 43-50. (Canceled).

51. (Currently Amended) A method of producing spray dried particles suitable for inhalation comprising:
 - a) selecting a dew point between about 0° C and -40° C of a nitrogen drying gas corresponding to a median aerodynamic diameter of less than about 5 μm , a tap density of less than about 0.4 g/cm³ and a geometric diameter of less than about 30 μm of particles formed by contacting a sprayed liquid feed with the drying gas;
 - b) generating a nitrogen drying gas having said selected dew point; and
 - c) contacting the sprayed liquid feed with the nitrogen drying gas having said selected dew point thereby producing particles having a median aerodynamic diameter of less than about 5 μm , a tap density of less than about 0.4 g/cm³ and a geometric diameter of less than about 30 μm , wherein said particles are suitable for inhalation.
52. (Previously added) The method of claim 29 further comprising the step of maintaining the temperature of the dew point of the drying gas to an accuracy of at least 1° C.